NURSING MANAGEMENT OF DYSPNEA IN PEOPLE WITH COVID-19 🕬

DYSPNEA DURING COVID-19

- Usually starts between day 4 and 8 of illness, although also reported later in course
- Can occur without productive cough
- Usually associated with pneumonia, ARDS, decreased lung compliance
- Approximately 30% of people hospitalized with COVID-19 experience dyspnea
- In a study of 101 inpatients with COVID-19 referred to palliative care, 66% experienced dyspnea
- Worse with exertion, even speaking on the phone
- May see very low blood oxygen saturation (low 80%) without dyspnea (called silent hypoxia)
- Assessment is based upon self-report; some can rate using 0-10 scale (0=no breathlessness, 10=severe breathlessness)
- Don't forget other causes of dyspnea, especially in people with comorbid serious illness:
 - Advanced AIDS, anemia, asthma, cancer, CHF, COPD, heart failure, pulmonary embolism, anxiety/ panic attack

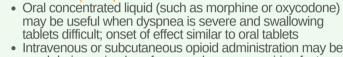


BREATHLESSNESS

EXHAUSTION

WORK

FEAR



GASPING

CHEST

TIGHTNESS

LABORED

BREATHING

Initial doses for opioid naïve patients:

• Morphine IV 1-2 mg every 1 hour prn • Oxycodone PO 2.5-5 mg every 3-4 hours prn

Every hour for oral administration

 Every 15 minutes for IV administration For patients tolerant to opioids, higher doses may be

fragile or older adults)

Routes – helpful tips

AIR

HUNGER

SUFFOCATING

DISTRESS

Distraction/music/calming

DROWNING

NONPHARMACOLOGIC MANAGEMENT



 Intravenous or subcutaneous opioid administration may be used during episodes of severe dyspnea requiring faster

PHARMACOLOGIC PALLIATIVE MANAGEMENT: OPIOIDS

Opioids are the foundation for management of dyspnea for palliative care

• Morphine PO 5mg every 3-4 hours prn (2.5 mg for

• Hydromorphone PO 1-2 mg every 3-4 hours prn

• Hydromorphone IV 0.2-0.4 mg every 1 hour prn

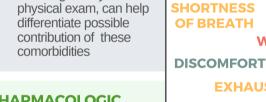
Increase frequency if dose provides relief but is not sustained

needed – use equianalgesic table to calculate current 24 hour dose and administer 10-20%; increase gradually

• Titrate upward by 25-50% if dyspnea unrelieved



onset and more rapid titration, or if patient unable to swallow



• Nursing assessment,

including history and

PHARMACOLOGIC **MANAGEMENT: OTHER AGENTS**

- Treat underlying cause: antivirals, antibiotics, anticoagulants for PE, diuretics if fluid overload. bronchodilators if bronchospasm
 - Caution bronchodilators can elevate heart rate and a sense of anxiety or agitation
- Although the urge to give benzodiazepines is strong, these treat only anxiety and may contribute to excess sedation – use only if anxiety is present

ANXIETY



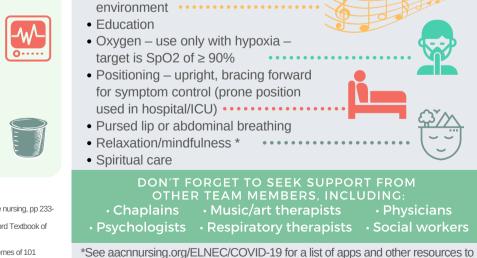
and opioids have been adequately titrated Lorazepam is recommended due to its relatively short half-life and its availability in liquid form. Dosage: 0.25 mg PO/SL g 4 hours.



Broglio K. Dyspnea. In C Dahlin, PJ Coyne & BR Ferrell (eds). Advanced practice palliative nursing, pp 233-242. New York: Oxford University Press, 2016. Donesky D. Dyspnea, cough, and terminal secretions. In BR Ferrell & JA Paice (eds). Oxford Textbook of

Palliative Nursing, 5th edition, pp 217-229. New York: Oxford University Press, 2019 ELNEC – https://www.aacnnursing.org/ELNEC/COVID-19

Lovel N, Maddocks M, Etkind SN, et al. Characteristics, symptom management and outcomes of 101 patients with COVID-19 referred for hospital palliative care. J Pain Symptom Manage 2020 https://doi.org/10.1016/j.jpainsymman.2020.04.015 NH COVID-19 Treatment Guidelines https://covid19treatmentguidelines.nih.gov/concomitant-medications/



assist with meditation, mindfulness, distraction and relaxation techniques



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